TABLE 10.3

MORNING STAR MINE COST ESTIMATE
ALTERNATIVE 3 - CLEAN CLOSE HEAP LEACH PADS IN PLACE

III. CLEAN CLOSURE	Quant	Units	Unit $	Cost		Notes
A. Design, Management, Mobilization, Site Support						
1. Detailed Design	1	LS	$110,000	$110,000		
2. Construction Management	1	LS	$75,000	$75,000		
3. Mobilization / De-Mobilization	25	EA	$1,500	$37,500		
4. Site Support	1	LS	$8,000	$8,000		
				Subtotal	**$230,500**	
B. Rinsing / Active Evaporation Systems on Heap Leach Pads						
1. See Table 10.5, Section A	1	LS	$84,200	$84,200		Design and install
2. See Table 10.5, Section B	1	LS	$162,926	$162,926		Operate and Maintain
				Subtotal	**$247,126**	
C. Process Fluid Bio-Stabilization						
1. Sub-Contract	1	LS	$800,000	$800,000		
				Subtotal	**$800,000**	
D. Regrade Heaps to 3:1						
1. See Table 10.2, Section C	1	CY	$490,600	$490,600		
				Subtotal	**$490,600**	
E. Cap and Reclaim Heap Leach Pads						
1. See Table 10.2, Section D	1	LS	$730,000	$730,000		
				Subtotal	**$730,000**	
F. Water Management (5 years after cap)						
1. Final Treatment and Disposal	1	LS	$60,000	$60,000		
				Subtotal	**$60,000**	
G. Reclaim Pregnant Solution Pond (5 years after cap)						
1. See Table 10.2, Section G	1	LS	$91,600	$91,600		
				Subtotal	**$91,600**	
ALTERNATIVE 3 - CLEAN CLOSE HEAP LEACH PADS IN PLACE					**Subtotal**	**$2,649,826**
					Contingency / Indirect 10%	**$264,983**
					TOTAL COST	**$2,914,809**

Assumptions:
Davis - Bacon Wages

Notes:

LS	Lump Sum	TON	Ton	DAY	Day
MO	Month	HR	Hour	CY	Cubic Yard
LF	Linear Feet	EA	Each	SF	Square Feet
GAL	Gallon	SMPL	Sample	AC	Acre

TABLE 10.3a

MORNING STAR MINE COST ESTIMATE
ALTERNATIVE 3A (OPTION TO ALT. 3) - CLEAN CLOSE
HEAP LEACH PADS, HAUL TO PIT REPOSITORY

III. CLEAN CLOSE, PIT	Quant	Units	Unit $	Cost		Notes
A. Design, Management, Mobilization, Site Support						
1. See Table 10.3, Section A				**Subtotal**	**$230,500**	
B. Rinsing / Active Evaporation Systems on Heap Leach Pads						
1. See Table 10.5, Section A	1	LS	$84,200	$84,200		Design and install
2. See Table 10.5, Section B	1	LS	$162,926	$162,926		Operate and Maintain
				Subtotal	**$247,126**	
C. Process Fluid Bio-Stabilization						
1. Sub-Contract				**Subtotal**	**$800,000**	
Option: Haul Pad Material to Pit (Do Not Reclaim Pads in Place)						
1. Detailed Design	1	LS	$60,000	$60,000		
				Subtotal	**$60,000**	
2. Load, Haul and Place Waste Rock in Pit *						
a. Mobilization / Demobe	1	LS	$20,000	$20,000		
b. Excavate and Haul	149,000	CY	$1	$178,800		Fill above water table.
				Subtotal	**$198,800**	
* Place to 10 ft above water elevation, place leach pad material, then cover to elevation required for free flowing drainage.						
3. Load, Haul and Place Heap Material in Pit						
a. Excavate and Haul	1,418,000	CY	$1	$1,701,600		Includes 5% swell.
				Subtotal	**$1,701,600**	
4. Final Process Fluid Bio-Stabilization						
a. Sub-Contract	1	LS	$200,000	$200,000		
				Subtotal	**$200,000**	
5. Shape and Compact Surface	1	LS	245,300	$245,300		
6. Place Cap	590,000	SF	$0.35	$206,500		GCL - subcontract.
7. Place Drain Layer	45,000	CY	$3	$112,500		24 inch at $2.50 per CY
8. Place Media Growth Layer	22,500	CY	$3	$56,250		12 inch at $2.50 per CY
9. Perimeter Drain	1	LS	$60,000	$60,000		liner and rock
					$680,550	
10. Reclaim Heap Footprints						
a. Earthwork	1	LS	$25,000	$25,000		Includes drainage / contours
b. Place Media Growth Layer	46,000	CY	$3	$115,000		12 inch at $2.50 per CY
				Subtotal	**$140,000**	
11. Revegetate Pad and Pit Areas	70	AC	$2,500	$175,000		Seed, plants, fertilizer
				Subtotal	**$175,000**	
12. Reclaim Pregnant Solution Pond						
a. See Table 10.2, Section G				**Subtotal**	**$91,600**	
OPTION TO ALTERNATIVE 3 - CLEAN CLOSURE					**Subtotal**	**$4,525,176**
HAUL PAD MATERIAL TO PIT				**Contingency / Indirect**	**10%**	**$452,518**
					TOTAL COST	**$4,977,694**